

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| In re U.S. Patent Application of |) | |
|---------------------------------------|-----|-----------------|
| |) | Art Unit 2652 |
| ITO et al. |) | |
| Application Number: 10/677,290 |) | Examiner Miller |
| Ellada Ostakon 2. 2002 |) | Brian E. |
| Filed: October 3, 2003 |) | |
| For: Magnetoresistive Magnetic Sensor | j j | |
| AND MAGNETIC STORAGE APPARATUS |) | |
| |) | • |
| Attorney Docket No. HITA.0442 |) | |
| Honorable Assistant Commissioner | | |
| for Patents | | |
| Washington, D.C. 20231 | | |
| | | |

COVER LETTER

Sir:

[x] The fee for submission of claims is calculated as shown below:

| For | TOTAL WITH NEW CLAIMS ADDED | TOTAL CURRENTLY ON FILE | CLAIMS PAID | RATE | CALCULATION |
|-----------------------------------|-----------------------------------|--|------------------|---------|-------------|
| Total Claims | 17 | 14 | -XX (Over 20) | x \$18 | 0 |
| Independent Claims | 3 | 3 | -XX (Over 3) | x \$88 | 0 |
| MULTIPLE DEPENDENT CLAIM(S) | | | | + \$300 | 0 |
| | LING BY SMALL ENTITY | (note 37 C.F.R. §§ 1.9, 1.2 T BE ATTACHED | 7, 1.28). | x ½ | |
| | | | ТОТА | L | 0.00 |

| In | addition, | the | below-identified | communications | are | submitted | in | the | above-captioned | application | or |
|-----|-----------|-----|------------------|----------------|-----|-----------|----|-----|-----------------|-------------|----|
| pro | oceeding: | | | | | | | | | | |

| [X | Response to Office Action | [] Petition for Extension of Time |
|-----|---------------------------|------------------------------------|
| | (with Claim Amendments) | [x] Terminal Disclaimer |
| [| Substitute Specification | [] Letter to Draftsperson |
| [| Preliminary Amendment | [] Assignment |
| [| Other | Petition under |

| [] | Please charge my Deposit Account Number in the amount of to cover the fees for . A duplicate copy of this paper is enclosed. | | | | |
|-----|--|--|--|--|--|
| [x] | A check in the amount of \$110.00 to cover the Terminal Disclaimer fee is enclosed. | | | | |
| [x] | The Commissioner is hereby authorized to charge any additional fees associated with this communication, including fees under 37 C.F.R. § 1.16 and 1.17, or credit any overpayment to Deposit Account Number 08-1480 . | | | | |
| | Respectfully submitted, | | | | |
| | Stanley P. Fisher | | | | |
| | Registration Number 24,344 Juan Carlos A. Margnez Registration No. 34,072 | | | | |
| DEE | D CMITH I I D | | | | |

REED SMITH LLP 3110 Fairview Park Drive **Suite 1400** Falls Church, Virginia 22042 (703) 641-4200 November 24, 2004